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(71) 出願人(米国を除く全ての指定国について): 松下電器産業株式会社 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) [JP/JP]; 〒571-8501 大阪府 門真市大字門真1006番地 Osaka (JP).

(72) 発明者; および

(75) 発明者/出願人 (米国についてのみ): 門倉 雅彦

(KADOKURA,Masahiko) [JP/JP]; 〒229-0002 神奈川県 相模原市 淵野辺本町1-22-1-201 Kanagawa (JP).

(74) 代理人: 特許業務法人池内・佐藤アンドパートナーズ (IKEUCHI SATO & PARTNER PATENT ATTORNEYS); 〒530-6026 大阪府 大阪市 北区天満橋1丁目8番30号OAPタワー26階 Osaka (JP).

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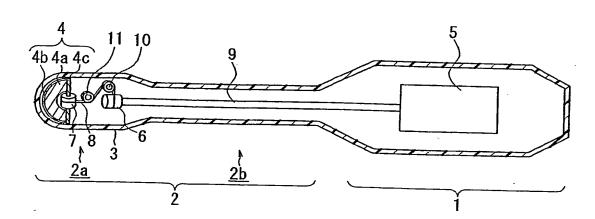
添付公開書類:

一 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: ULTRASONIC PROBE

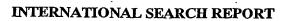
(54) 発明の名称: 超音波探触子



(57) Abstract: An ultrasonic probe, comprising an insert part inserted into a body cavity and a grip part (1) held by an operator on the outside of the body cavity, the insert part (2) further comprising a vibrator unit (4), a rotating shaft installed in the vibration unit, and an oscillation mechanism oscillating the vibrator unit (4) about the rotating shaft, the grip part (1) further comprising a motor (5) generating a drive force driving the oscillation mechanism, the oscillation mechanism further comprising a shaft (9) connected to the motor (5), a first pulley (6) coaxially fitted to the shaft (9), a second pulley (7) coaxially fitted to the rotating shaft of the vibrator unit (4), and a wire (8) stretched to be laid out between the first pulley (6) and the second pulley (7).

(57) 要約: 本発明の超音波探触子は、体腔内に挿入される挿入部と、体腔外にて操作者により把持されるグリップ 新1とを有する。前記挿入部2は、振動子ユニット4と、これに設けられた回転軸と、振動子ユニット4を回転軸を 中心に揺動させる揺動機構とを有し、前記グリップ部1は、前記揺動機構を駆動する駆動力を発生するモータ5を 有する。前記揺動機構は、前記モータ5に連結されたシャフト9と、前記シャフト9に同軸的に取り付けられた第 1のプーリ6と、前記振動子ユニット4の回転軸に同軸的に取り付けられた第2のプーリ7と、前記第1のプーリ 6と前記第2のプーリ7とに掛け渡されたワイヤ8とを有する。

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International application No. PCT/JP03/16489

A. CLAS	SSIFICATION OF SUBJECT MATTER .C1 ⁷ A61B8/12		
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	to International Patent Classification (IPC) or to both r	national classification and IPC	·
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Minimum C Int.	documentation searched (classification system followed .C1 ⁷ A61B8/12	d by classification symbols)	
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Documenta	ation searched other than minimum documentation to the		
	suyo Shinan Koho 1922-1996 ii Jitsuyo Shinan Koho 1971-2004		
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Electionic	data base consulted during the international search (nar	me of data base and, where practicable, sear	rch terms used)
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C. DOCU	JMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-327499 A (Aloka Co.,	, Ltd.),	1-6
	27 November, 2001 (27.11.01) Column 6, line 6 to column 8	/ 1: 16. Figs 1	
	to 3	, 11ne 10; r1ys. 1	
Į	(Family: none)		
Á	JP 2001-161694 A (Toshiba Co	orp.).	1-6
	19 June, 2001 (19.06.01),	325.,,	± ~
	Figs. 2, 7 (Family: none)		
A	JP 63-21045 A (Matsushita El	lectric Industrial	1-6
	Co., Ltd.), 28 January, 1988 (28.01.88),		
1	Page 3, upper left column, l:	ine 17 to lower right	
1	column, line 4; Fig. 1 & EP 253268 Al & US	3 4895158 A	
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1	ı		
× Furthe	er documents are listed in the continuation of Box C.	See patent family annex.	
* Special "A" docume	categories of cited documents: ent defining the general state of the art which is not	"I" later document published after the inter	national filing date or
consider	ered to be of particular relevance	priority date and not in conflict with the understand the principle or theory under	rlying the invention
date	document but published on or after the international filing	"X" document of particular relevance; the cl considered novel or cannot be considered	
cited to	ent which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other	step when the document is taken alone document of particular relevance; the cl	aimed invention cannot be
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		considered to involve an inventive step combined with one or more other such or	when the document is documents, such
means "P" docume	ent published prior to the international filing date but later	combination being obvious to a person so document member of the same patent fa	skilled in the art
than the	than the priority date claimed		
20 Fe	ebruary, 2004 (20.02.04)	Date of mailing of the international search 02 March, 2004 (02.0	n report 03.04)
Name and ma	ailing address of the ISA/	Authorized officer	
υαμαι	nese Patent Office		
Facsimile No.		Telephone No.	



International application No.
PCT/JP03/16489

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 5479929 A (Acuson Corp.), 02 January, 1996 (02.01.96), Column 3, lines 1 to 18; Fig. 1 (Family: none)	1-6
A	JP 10-179588 A (Toshiba Corp.), 07 July, 1998 (07.07.98), Column 9, lines 10 to 19; Fig. 3 (Family: none)	1-6
А	JP 2-57242 A (Matsushita Electric Industrial Co., Ltd.), 27 February, 1990 (27.02.90), Page 2, upper left column, line 12 to upper right column, line 12; Fig. 5 (Family: none)	1-6
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